

Resource Summary Report

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ADJUST

RRID:SCR_009526

Type: Tool

Proper Citation

ADJUST (RRID:SCR_009526)

Resource Information

URL: <http://www.unicog.org/pm/pmwiki.php/MEG/RemovingArtifactsWithADJUST>

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Description: A completely automatic algorithm for artifact identification and removal in EEG data. ADJUST is based on Independent Component Analysis (ICA), a successful but unsupervised method for isolating artifacts from EEG recordings. ADJUST identifies artifacted ICA components by combining stereotyped artifact-specific spatial and temporal features. Features are optimised to capture blinks, eye movements and generic discontinuities. Once artifacted IC are identified, they can be simply removed from the data while leaving the activity due to neural sources almost unaffected.

Abbreviations: ADJUST

Synonyms: ADJUST - EEG Automatic Artifact Removal, ADJUST: automatic algorithm for EEG artifact removal

Resource Type: software resource

Defining Citation: [PMID:20636297](https://pubmed.ncbi.nlm.nih.gov/20636297/)

Keywords: eeg, meg, electrocorticography, matlab, os independent

Funding:

Availability: GNU General Public License

Resource Name: ADJUST

Resource ID: SCR_009526

Alternate IDs: nlx_155689

Alternate URLs: <http://www.nitrc.org/projects/adjust>

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250410T065840+0000

Ratings and Alerts

No rating or validation information has been found for ADJUST.

No alerts have been found for ADJUST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1437 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Meng F, et al. (2025) A fixed support method for cryogenic silicon cavities of ultra-stable lasers for space applications. *Scientific reports*, 15(1), 1150.

Olweny G, et al. (2025) Protocol for identifying Mycobacterium tuberculosis infection status through airway microbiome profiling. *STAR protocols*, 6(1), 103574.

Li W, et al. (2025) Integrating proteomics and metabolomics to elucidate the regulatory mechanisms of pimped egg production in chickens: Multi-omics analysis of the mechanism of pimped egg formation. *Poultry science*, 104(2), 104818.

Reddy RRJ, et al. (2025) Characterization and Analytical Method Validation for Potential Impurities of a Merchantability Drug Substance Fluoxetine HCl. *Biomedical chromatography : BMC*, 39(2), e6069.

Zhang Z, et al. (2025) Experimental investigation of gas seepage characteristics in coal seams under gas-water-stress function. *Scientific reports*, 15(1), 1758.

Muñoz FL, et al. (2025) Active transportation is associated with lower obesity risk: generalized structural equations model applied to physical activity. *Cadernos de saude publica*, 40(12), e00035624.

Ingelshed K, et al. (2025) Protocol for in vivo immune cell analysis in subcutaneous murine tumor models using advanced flow cytometry. *STAR protocols*, 6(1), 103505.

Wei C, et al. (2025) Protocol for capturing a full transcriptome from single preimplantation embryos using So-Smart-seq. *STAR protocols*, 6(1), 103540.

Marks KE, et al. (2025) Protocol for assessing T cell receptor-mediated human T cell cytotoxicity. *STAR protocols*, 6(1), 103541.

Li YL, et al. (2025) Cytoophidium complexes resonate with cell fates. *Cellular and molecular life sciences : CMLS*, 82(1), 54.

De Leo N, et al. (2025) Protocol for 3D photogrammetry and morphological digitization of complex skulls. *STAR protocols*, 6(1), 103572.

Hosseinzadeh S, et al. (2025) Experimental dataset of a model-scale ship in calm water and waves. *Data in brief*, 58, 111257.

Mu Y, et al. (2025) Study on Fermentation Preparation, Stability, and Angiotensin-Converting Enzyme Inhibitory Activity of Tomato Pomace Peptide. *Foods (Basel, Switzerland)*, 14(2).

Huang T, et al. (2025) Deep learning methods for improving the accuracy and efficiency of pathological image analysis. *Science progress*, 108(1), 368504241306830.

Eijking HM, et al. (2025) Image-based robotic (ROSA® knee system) total knee arthroplasty with inverse kinematic alignment compared to conventional total knee arthroplasty : Study protocol and the inverse kinematic alignment in 8-steps using the ROSA® Knee system for knee balancing technique explained. *Journal of orthopaedic surgery and research*, 20(1), 47.

Bilal A, et al. (2025) A quantum-optimized approach for breast cancer detection using SqueezeNet-SVM. *Scientific reports*, 15(1), 3254.

Li X, et al. (2025) Peptidoglycan recognition protein PGRP-5 is involved in immune defence and neuro-behavioral disorders in zebrafish embryos. *PLoS one*, 20(1), e0315714.

Feng H, et al. (2025) A Fully Integrated Orthodontic Aligner With Force Sensing Ability for Machine Learning-Assisted Diagnosis. *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*, 12(2), e2411187.

Tie H, et al. (2025) E'jiao and Cubilose Formula Induced Antioxidant Activity and Improved Collagen Expression of Human Skin Fibroblasts During Oxidation Damage. *Journal of cosmetic dermatology*, 24(1), e16604.

Hirase S, et al. (2025) Phenotypic and Genomic Signatures of Latitudinal Local Adaptation Along With Prevailing Ocean Current in a Coastal Goby. *Molecular ecology*, 34(2), e17599.